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| **Biniam Lemma**  ***Computer Science 2061 -*  ASSIGNMENT #1**  **Program 01** |
| **Output** |
| <class 'str'> A  <class 'int'> 65  <class 'float'> 3.1415  <class 'str'> This is a test |
| **Source Code** |
| # Main function assigns and displays string, integer and float values  def main():  a = "A"  b = 65  c = 3.1415  d = "This is a test"  print(type(a), a)  print(type(b), b)  print(type(c), c)  print(type(d), d)  if \_\_name\_\_ == '\_\_main\_\_':  main() |

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| **Program 02** |
| **Output** |
| The sum is 15  The average is 3.0 |
| **Source Code** |
| # Main function calculates and displays the sum and average of 5 values  def main():  a, b, c, d, e = (1, 2, 3, 4, 5)  x = a + b + c + d + e  y = x / 5  print("The sum is ", x)  print("The average is ", y)    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 03** |
| **Output** |
| Stock cost: $ 26250.0  Commission cost: $ 525.0  Total cost : $ 26775.0 |
| **Source Code** |
| # Main function calculates and display cos of a stock transaction,  # commission and the total amount  def main():  sCost = 750 \* 35.0  cCost = sCost \* 0.02  tCost = sCost + cCost  print("Stock cost: $ ", sCost)  print("Commission cost: $ ", cCost)  print("Total cost : $", tCost)    if \_\_name\_\_ == "\_\_main\_\_": main() |

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| **Program 04** |
| **Output** |
| The sum of the three values is 15  The sum of the three values is 6  The sum of the three values is 9 |
| **Source Code** |
| # Main function: calls addThree three times  # with 3 arguments, no arguments, and 1 arguments  def main():  addThree(4, 5, 6)  addThree()  addThree(4)  # AddThree function: passes three parameters and display sum  def addThree(a=1, b=2, c=3):  print("The sum of the three values is ", a+b+c)    if \_\_name\_\_ == "\_\_main\_\_":  main() |

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| **Program 05** |
| **Output** |
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| **Source Code** |
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